# User's Manual

Model : MQ-72N

For the quality improvement of product, design and accessory can be changed without notice.

**Made in Korea**

Thank you for purchasing this product.
* Please read this manual and understand all the functions before use.
* Please write purchasing date, purchasing place, etc. in the warranty card.
* Free after-sale service will be not possible without the warranty card.

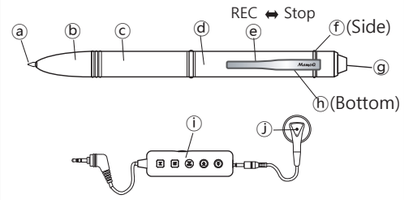
## Caution and warning on this product

### Warning
* We are not responsible for the loss of recordings due to the usage, after-sale service, others, etc.
* We are not responsible for the damage by using this product or claim by the third party.
* Please save important recordings into PC immediately.
* Please do not decompose and adapt this product. That can be the cause of fire and failure.
* If you listen to the contents of this product loudly and long time, hearing ability can be damaged. Please adjust the volume moderately.
* Please do not use at low and high temperature. That can be the cause of fire or failure by a leak by condensation phenomenon.
* Please do not leave this product alone in humid place or in place exposed to oil. That can be the cause of fire and failure.

### Caution
* To shock or drop the product can be the cause of failure.
* Please do not wash the surface of product with alcohol, benzene, thinner, etc.

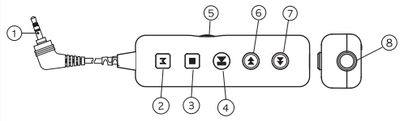
## Naming of each part

### Body




ⓐBall pen refill ⓑRefill part
ⓒRotation part ⓓBody part
ⓔRecording switch ⓕMicrophone
ⓖJack(Remote control/Charging)
ⓗLED(Charging/Recording mode)
ⓘRemote control body ⓙEarphone

### Remote controller




①Plug ②Mode button
③Stop(Power off)button ④Play button
⑤Volume controller ⑥Previous button
⑦Next button ⑧Earphone jack

## Preparation before use(Charging)

*This product has built-in rechargeable battery.
*Please use this product after charging.
*Please connect charging cable into the charging jack of this product and the USB port of PC or AC adaptor(option) and then charging starts.
(Caution) Please be sure to use AC adaptor which has acquired the local safety certification. The defective product by wrong AC adaptor shall be charged for after-sale service.

### Charging status indication

* **Charging :**
  Green LED is lit up during charging.
  When charging is completed, green LED blinks.
* **Remaining battery check :**
  When you insert remote controller in the state of stop, the following will be shown in 3seconds.

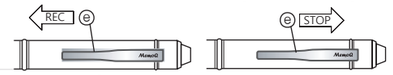
1) Low battery(less than 30%) : LED is off.
2) Middle battery(30%~60%) : Green LED blinks
3) High battery(60%~100%) : Green LED is lit up.

## Turning off power

*In case of recording, when you move recording switch to the state of stop, power is turned off.
*In case of playback, when you press the stop(■) button of remote controller or separate the plug of remote controller, power is turned off.
*To take custody of product for a long time, please be sure to take custody after separating remote controller.

## Recording

*When you move recording switch(ⓔ) to recording place, recording will start in about 3 seconds.
*During recording, you can monitor it with earphone and check recording status.
*In case of no remaining battery or 99 files, beep tone is rung through earphone for 5 seconds and recording is not possible any more.
*When you remove files, recording is possible again.




### Stop recording
When you move recording switch(ⓔ) to stop place, recording stops and power is turned off after a while.
(Note) In case of the continuous recording more than 5 hours, this product can separate and save the recording files by the 5 hours for more convenient hearing and file management.

## Playback

*Please connect remote controller into the earphone jack of body and adjust volume to the maximum.
*When you press the play(▶Ⅱ) button of remote controller, playback starts.
*When you press the play button again, it pauses.
*When you press the stop(■) button, playback stops.
*During recording, remote controller does not work.
(Caution) After recording is completed, the operation of button is not possible for 3seconds.

### File auto search
*It is the function to introduce the recordings of files.
*When you press play(▶Ⅱ) button more than 3 seconds in the state of stop, the earlier part of each file from the first file to the last file is played back automatically 5 seconds each.
*When the recording you want to hear comes out, please press the play(▶Ⅱ) button shortly and that file is played back.

## Move and playback per search mode

*When you press previous(◀◀) button or next(▶▶) button shortly during playback, it moves before and after and is played back according to the set search mode(file move/search1/search2)
*When you use search function accordingly, you can find the wanted place easily.

**1.File move** : When you operate previous(◀◀) button or next(▶▶) button, it moves to previous file or next file.
**2.Search1** : When you operate previous(◀◀) button or next(▶▶) button, it moves to before about 20 seconds or after about 20 seconds.
*If you continue to press previous(◀◀) button and less than 20 seconds remain, it moves to the starting part of file in playback.
*If you continue to press next(▶▶) button and less than 20 seconds remain, it moves to the starting part of next file.
**3.Search2** : When you operate previous(◀◀) button or next(▶▶) button, it moves to before about 2 minutes or after about 2 minutes.
*If you continue to press previous(◀◀) button and less than 2 minutes remain, it moves to the starting part of file in playback.
*If you continue to press next(▶▶) button and less than 2 minutes remain, it moves to the starting part of next file.

### Search mode setting
When you press the mode(M) button of remote controller during playback, beep tone occurs per mode and search mode is converted as following turns.

| Operation | Mode selection | Beep tone | Previous button | Next button |
|---|---|---|---|---|
| | File move | One time | Move to previous file | Move to next file |
| | Search function1 | Two times | Move to before about 20 seconds | Move to after about 20 seconds |
| | Search function2 | Three times | Move to before about 2 minutes | Move to after about 2 minutes |

# Warranty Card

| | | |
|---|---|---|
| Product name | | Digital Voice Recorder |
| Model No. | | |
| Purchasing date | | |
| Purchasing place | | |
| Telephone | | |
| Others | | |
| Warranty period | | 1 year |
| Customer | Signature | |
| | Address | |
| | Telephone | |

**Charging service**
- **Failure by carless handling in use.**
- **Failure by user's any internal modification.**
- **Failure by natural disasters like fire, salt damage, flood, earthquake, etc.**
- **Products of which warranty period has ended.**

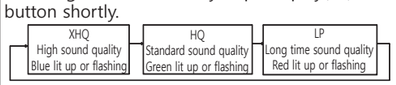
**Importer :**
**Address :**
**Telephone :**

## FCC Note
Any changes or modifications in construction of this device which are not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

## FCC Caution
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.
These limits are designd to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, any, cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to correct the interference by one or more of the following measures ;
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

## Recording mode setting

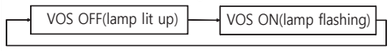
When you press menu(M) button long more than 3 seconds in the state of stop, LED is lit up or flashing and then recording mode is changed as following turns whenever you press play(▶Ⅱ) button shortly.




When you press menu(M) button long more than 3 seconds after change, setting is completed.

## VOS(Voice operated recording) setting

VOS function is that recorder detects sound in recording and when sound is not heard in recording, recording is paused automatically and when sound is heard, recording starts automatically and enables you to use memory efficiently.
When you press menu(M) button long more than 3 seconds in the state of stop, LED is lit up or flashing. At this time, whenever you press stop(■) button shortly, it is changed as below.




*In case of using VOS function, battery life time is not increased.
*Default in shipping products is XHQ, VOS OFF.

LED check table per recording mode and VOS mode

| | | VOS | |
|---|---|---|---|
| | | OFF | ON |
| Recording mode | XHQ | Blue lit up | Blue flashing |
| | HQ | Green lit up | Green flashing |
| | LP | Red lit up | Red flashing |

## Playback of first recording file/last recording file

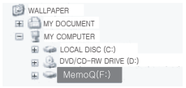
When you press the previous(◀◀) button or next(▶▶) button more than 3 seconds during playback, the first recording file or the last recording file is played back.

## Deleting file by remote controller

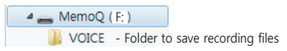
*When you press stop(■) button more than 3 seconds in the state of stop, beep sound comes out and recorded contents are played back to confirm before deletion.
*If the contents you want to delete are correct, please press stop(■) button again shortly and delete the file(at this time, beep tone comes out again for 2 seconds).
*If the contents you want to delete are wrong, please cancel it by pressing other button.

## Transmitting file into PC

**(Caution)** Before connecting it into PC USB to transfer files, please check whether the recording switch is in the position of stop.
*To save recordings into PC, please connect USB cable into this product and USB port of PC and you can check the recordings at "My computer -> MemoQ -> VOICE folder"
*You can move, copy, delete, play back, format files in the same way as USB flash drive.




<Screen connected as removable disk on PC: memoQ(F:)>

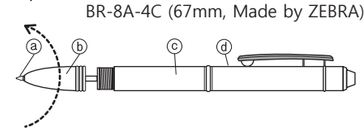



<Recorder folder structure>

## Using as a ball pen

When you hold the body(ⓓ) and spin the rotating part(ⓒ) right and left, ball pen refill comes out or go in.
For the change of ball pen refill, please hold rotating part(ⓒ) and continue to turn the part of pen refill(ⓑ) to the left and when it is separated, pull ball pen refill out and insert new one into hole carefully.

* Ball pen refill standard :
  BR-8A-4C (67mm, Made by ZEBRA)




## Product Specification

| Item | Specification |
|---|---|
| Battery life time | Continuous recording : about 12 hours, Playback : about 8 hours |
| Charging time | about 2 hours 30 minutes |
| Earphone | 10mW / 32 ohm |
| Size | Φ12 * 150 |
| Weight | 26g |
| Temperature | 0℃~40℃ |

### Recording time per recording mode and memory capacity

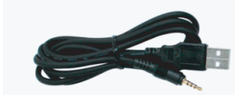
| Mode/Memory | 256MByte | 1GByte | 2GByte |
|---|---|---|---|
| XHQ | about 8hours | about 35hours | about 70hours |
| HQ | about 16hours | about 70hours | about 141hours |
| LP | about 33hours | about 140hours | about 283hours |

## Product composition

① Body(recorder)
② USB cable
③ Remote controller
④ Earphone
⑤ User's manual

① Body(recorder)

② USB cable
2167-MQ7-001



③ Remote controller
6412-RC3-001

④ Earphone
6411-716-001